

FIG. 1

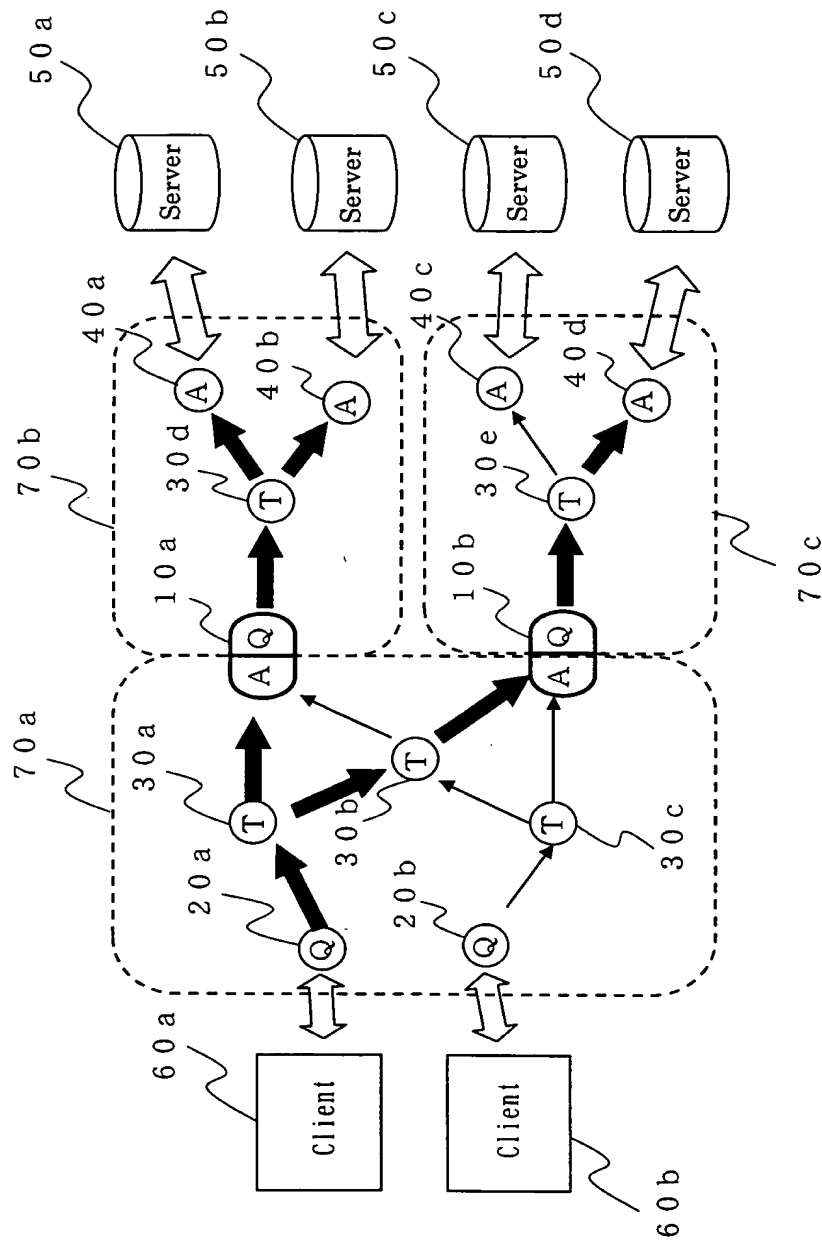


FIG. 2

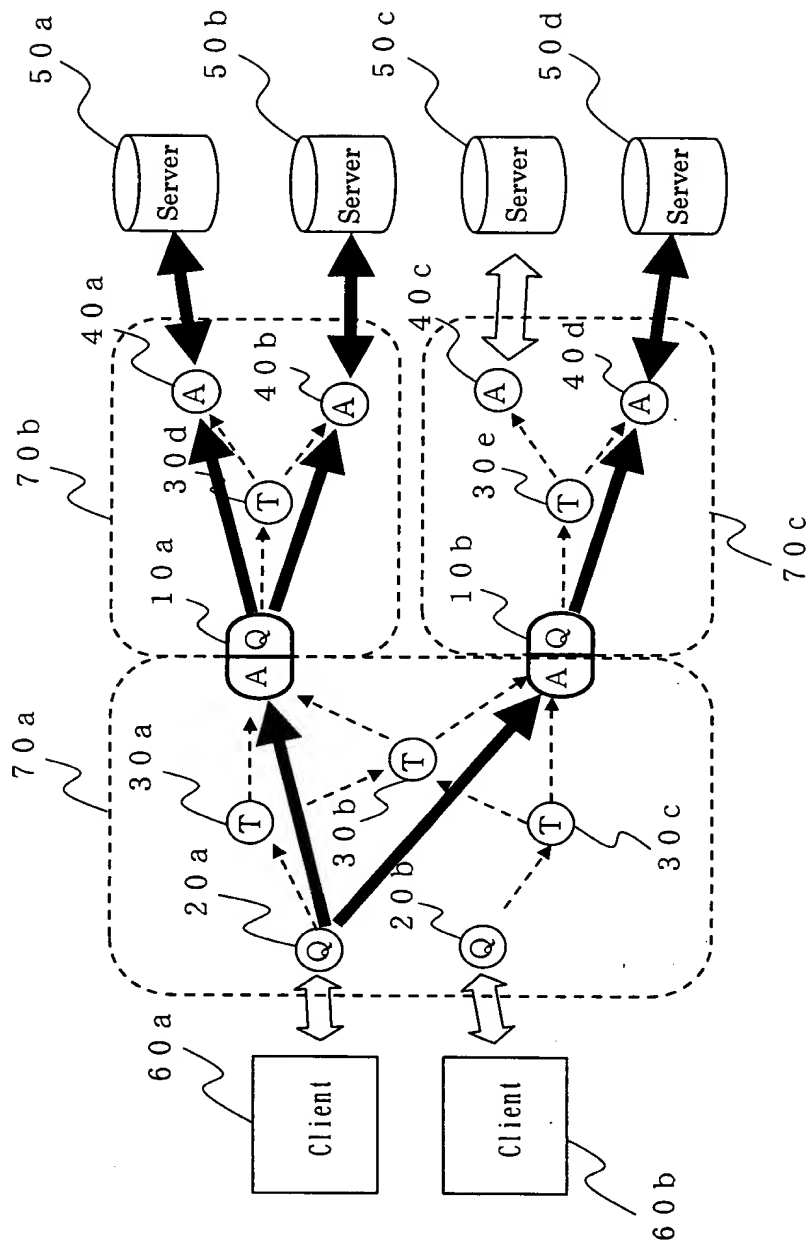


FIG. 3

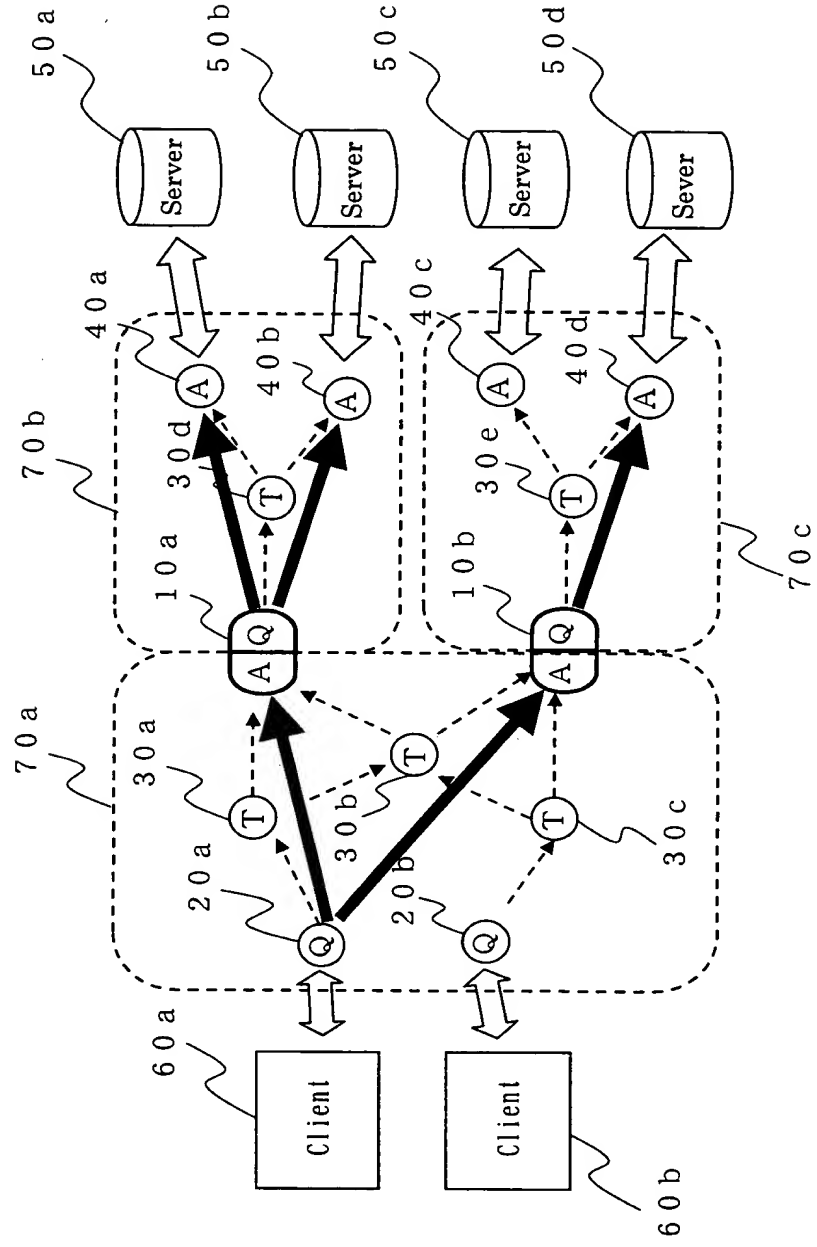


FIG. 4

Condition	Output Target
Condition 1	Cell 1
Condition 2	Cell 2
...	...
...	...
condition m	Cell m

FIG. 5

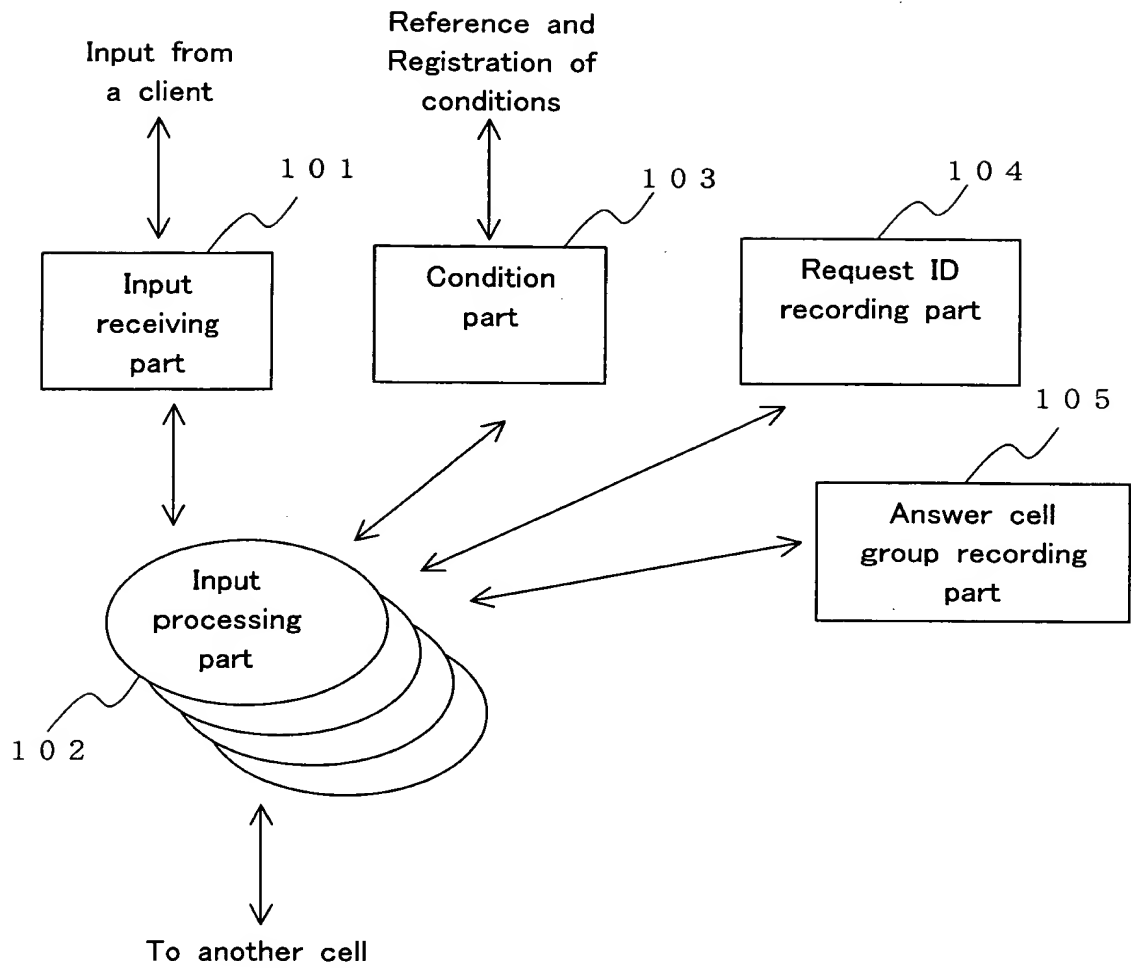


FIG. 6

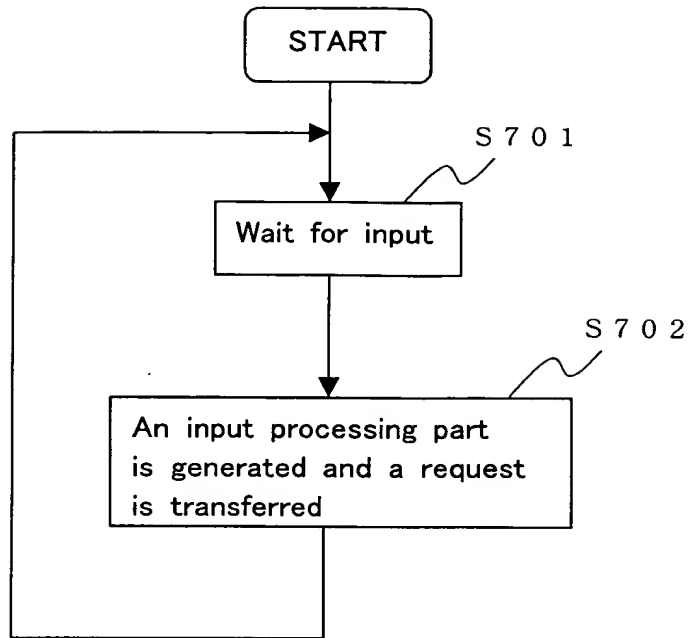


FIG. 7

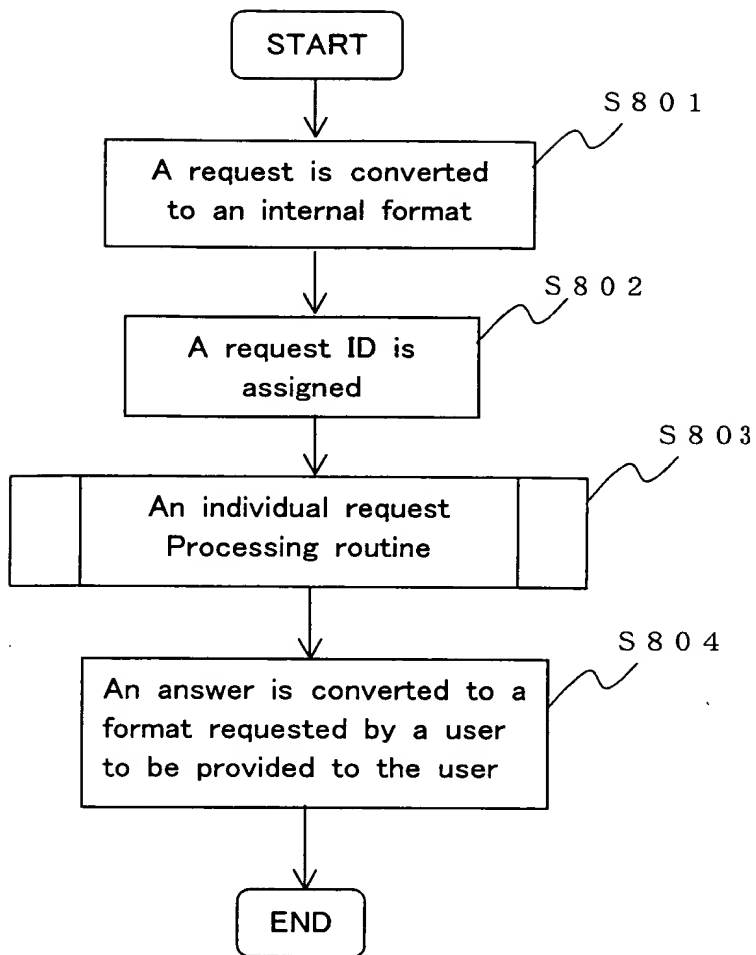


FIG. 8

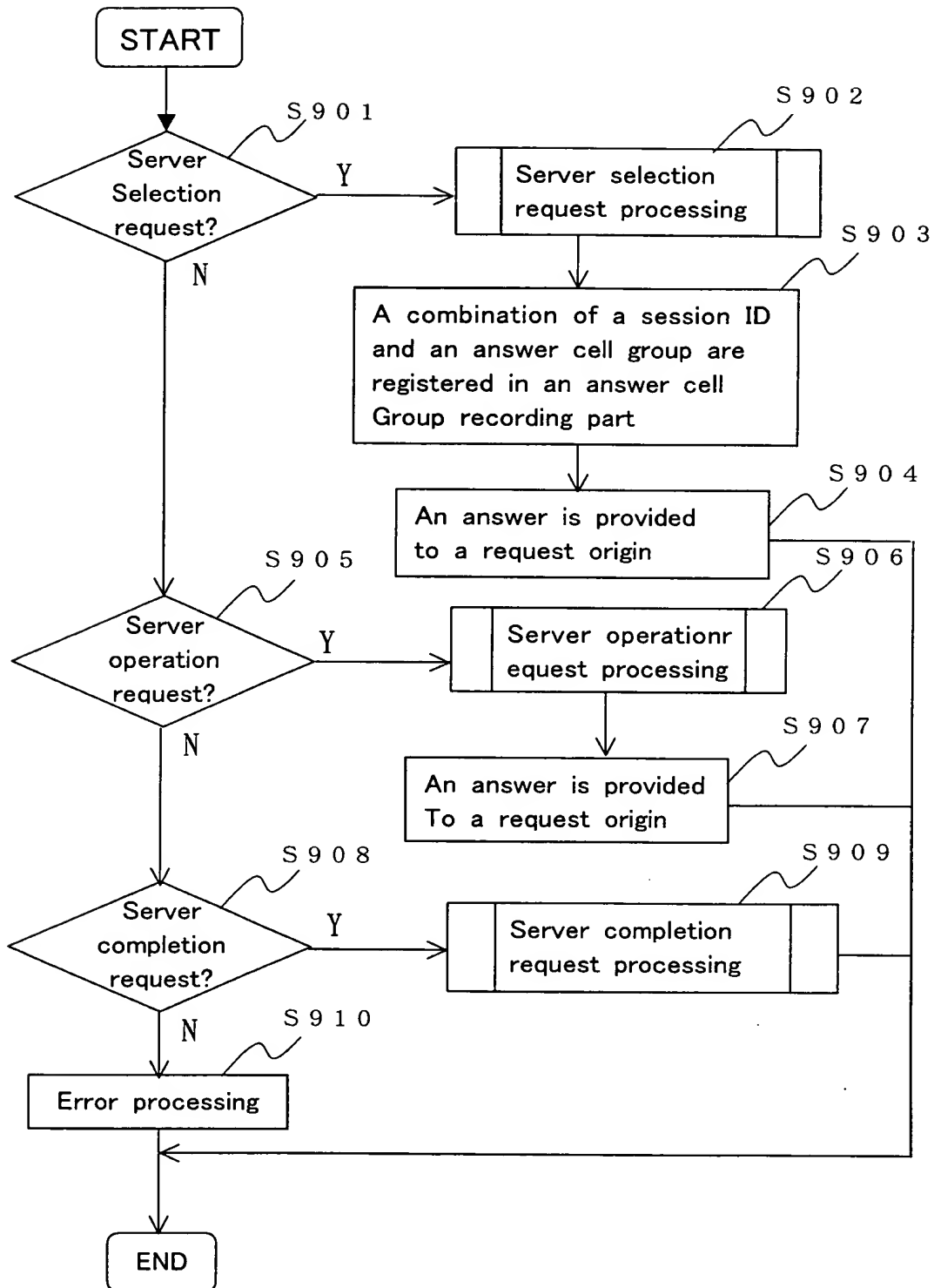


FIG. 9

```

graph TD
    START([START]) --> Wait[Wait for input]
    Wait --> Reg{Registration request?}
    Reg -- Y --> RegProc[Input entry is registered]
    Reg -- N --> Del{Deletion request?}
    Del -- Y --> DelProc[The corresponding entry is deleted]
    Del -- N --> Search{Search request?}
    Search -- Y --> SearchProc[The corresponding entry is provided]
    Search -- N --> Error[Error processing]
    RegProc --> Join(( ))
    DelProc --> Join
    SearchProc --> Join
    Join --> Wait
    Error --> End([END])

```

$$1\ 0\ /\ 3\ 2$$

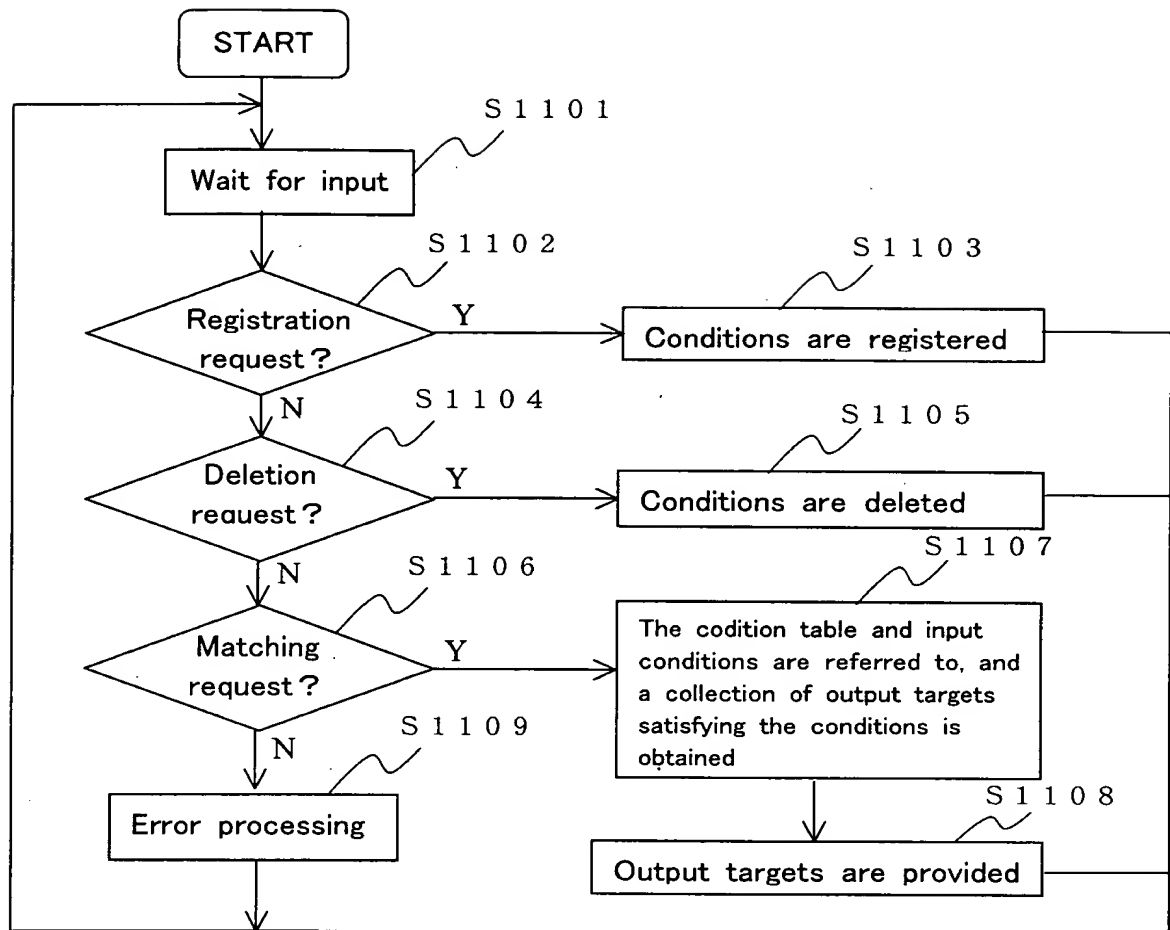


FIG. 11

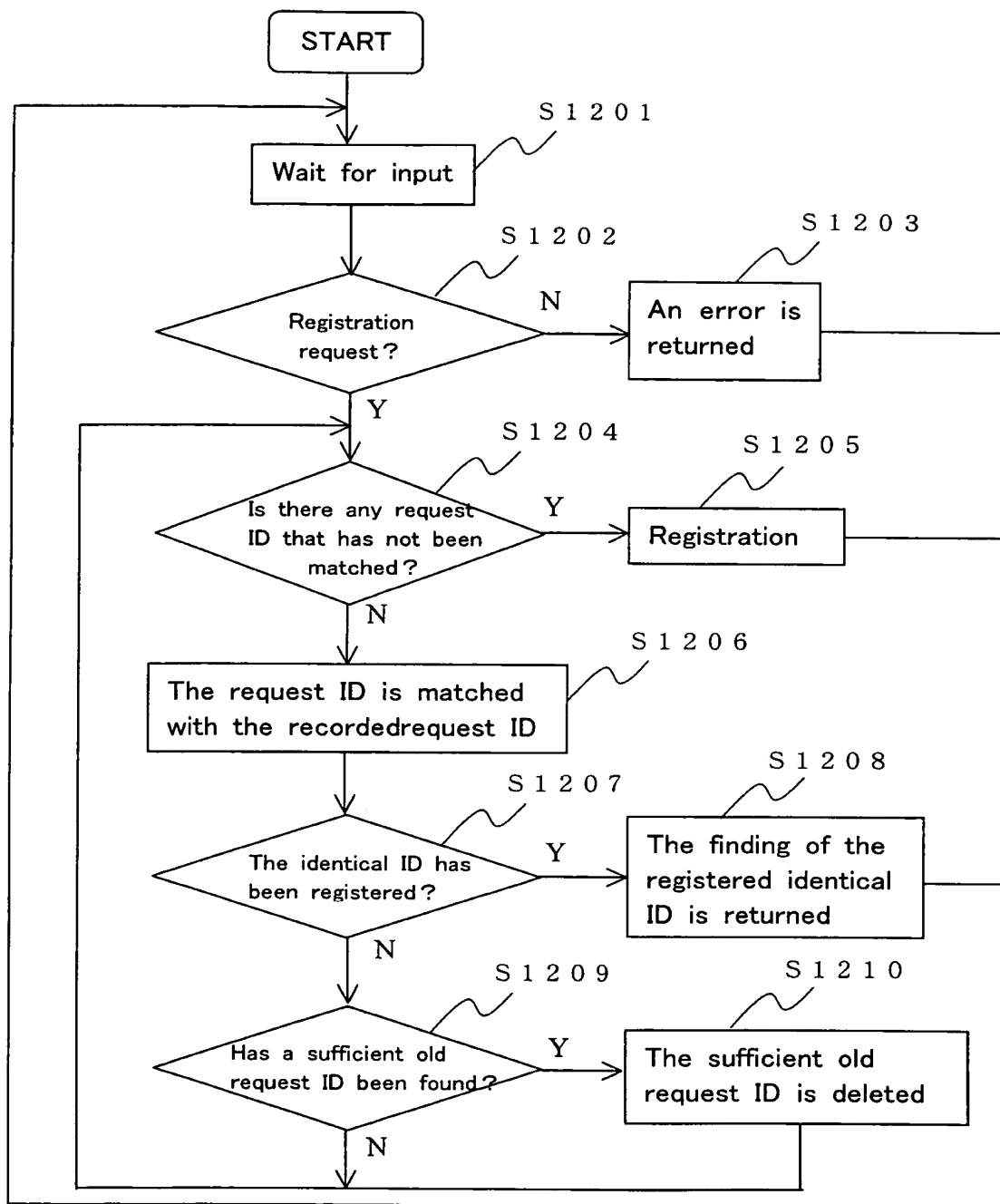


FIG. 12

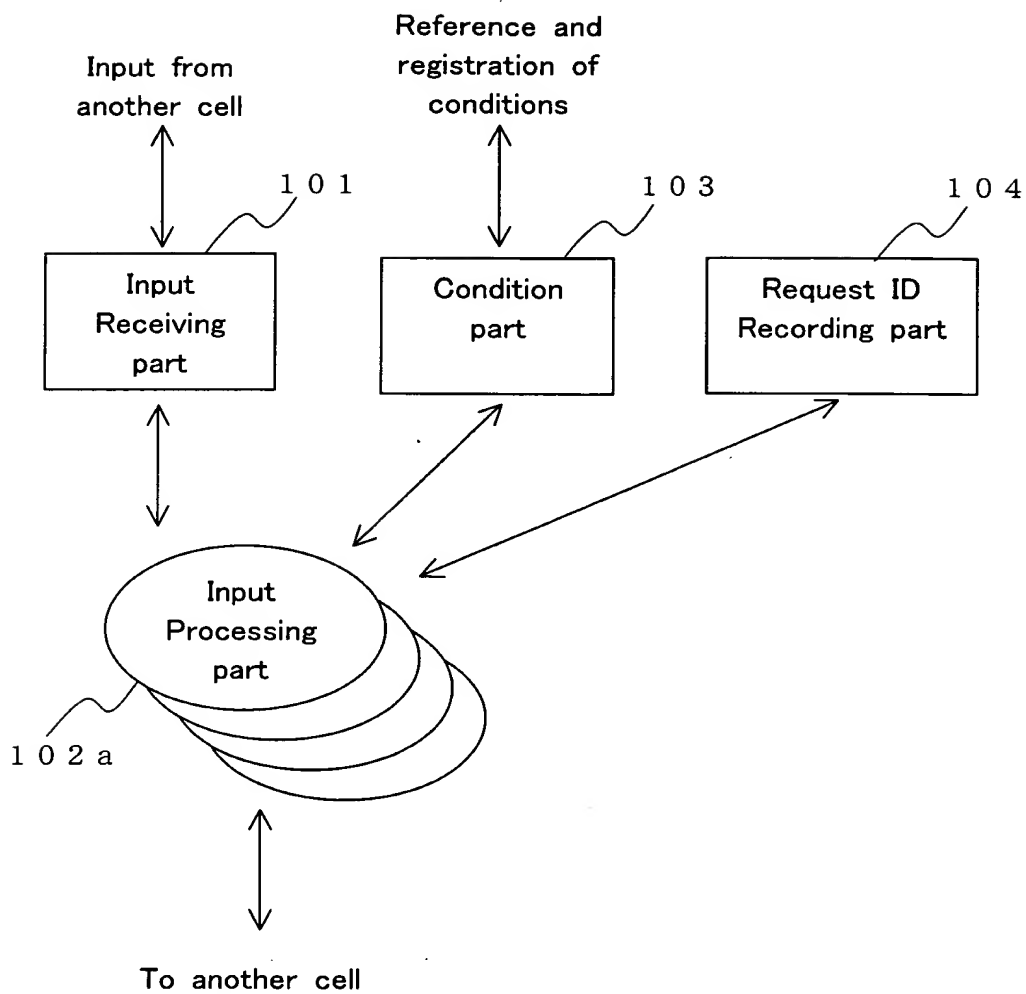


FIG. 13

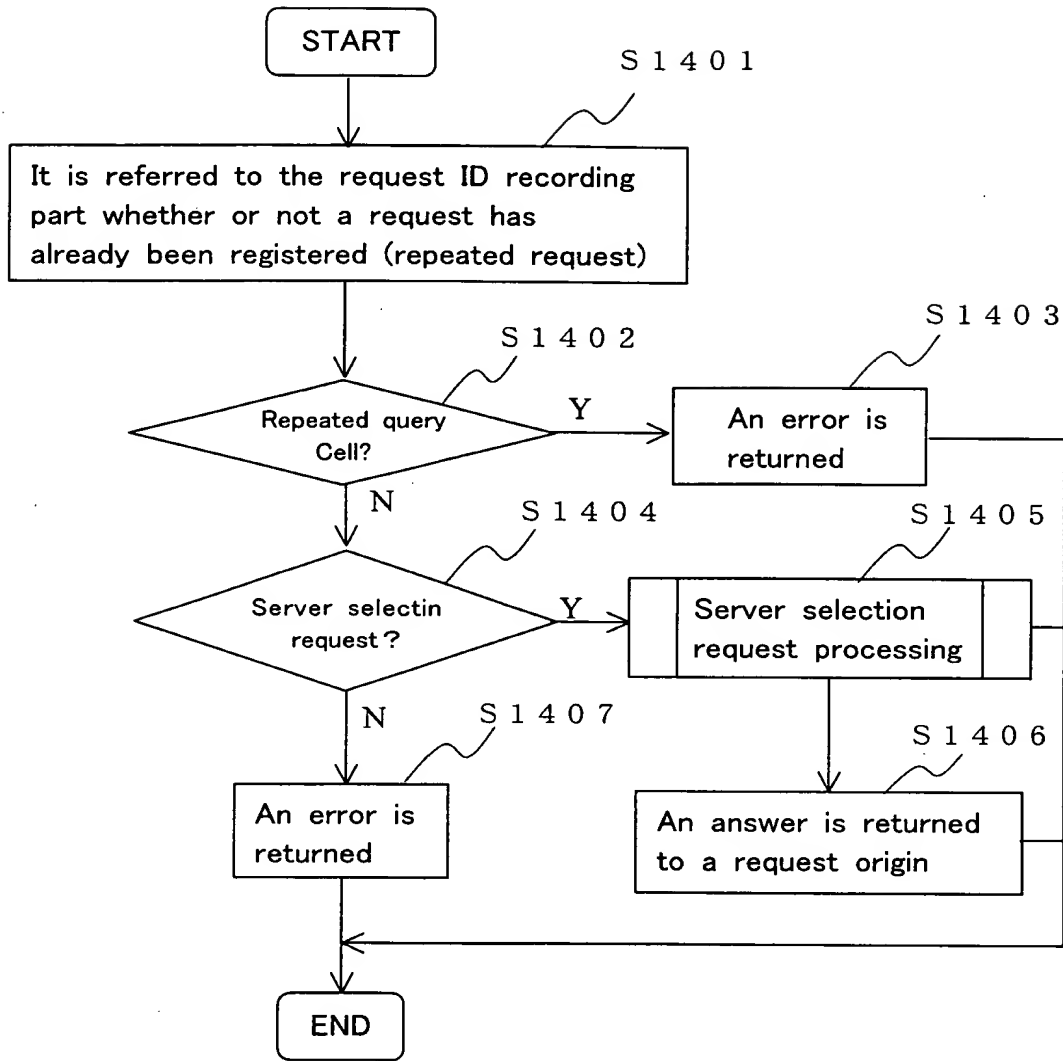


FIG. 14

0973594.021601
109730-4659/60

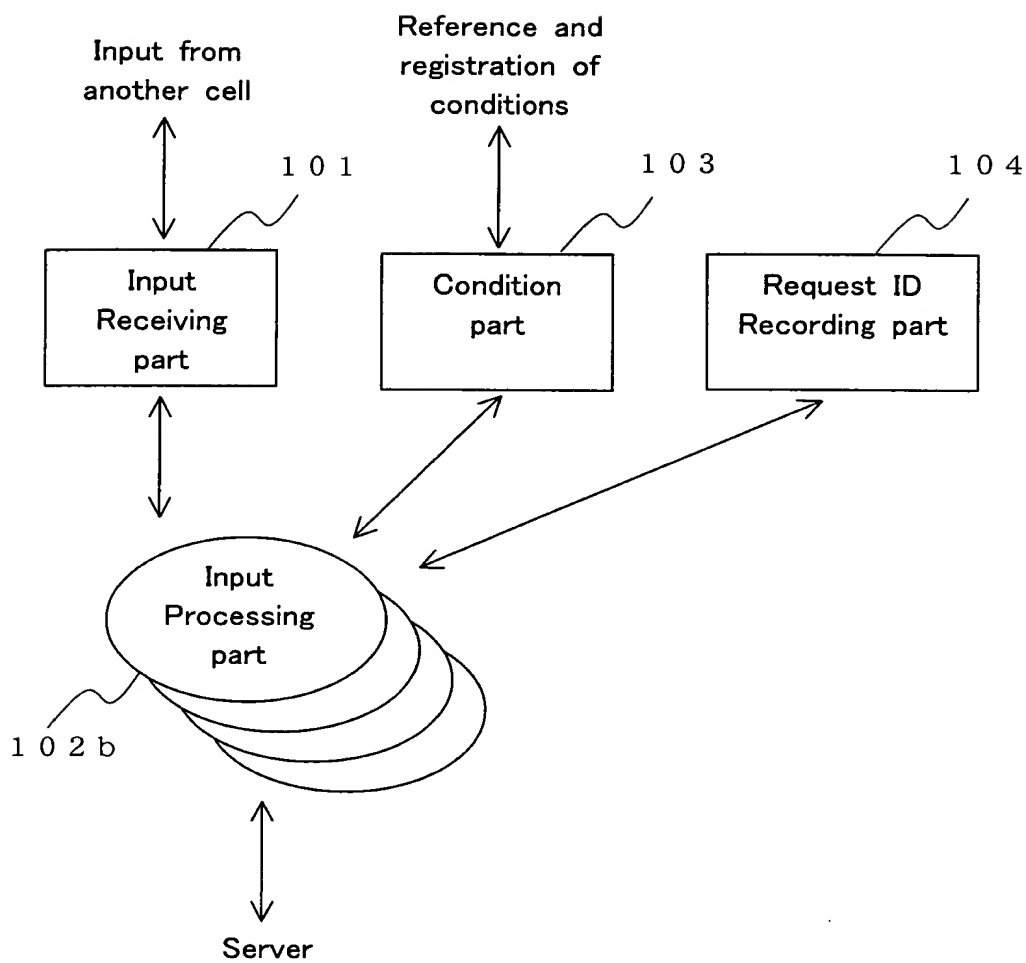


FIG. 15

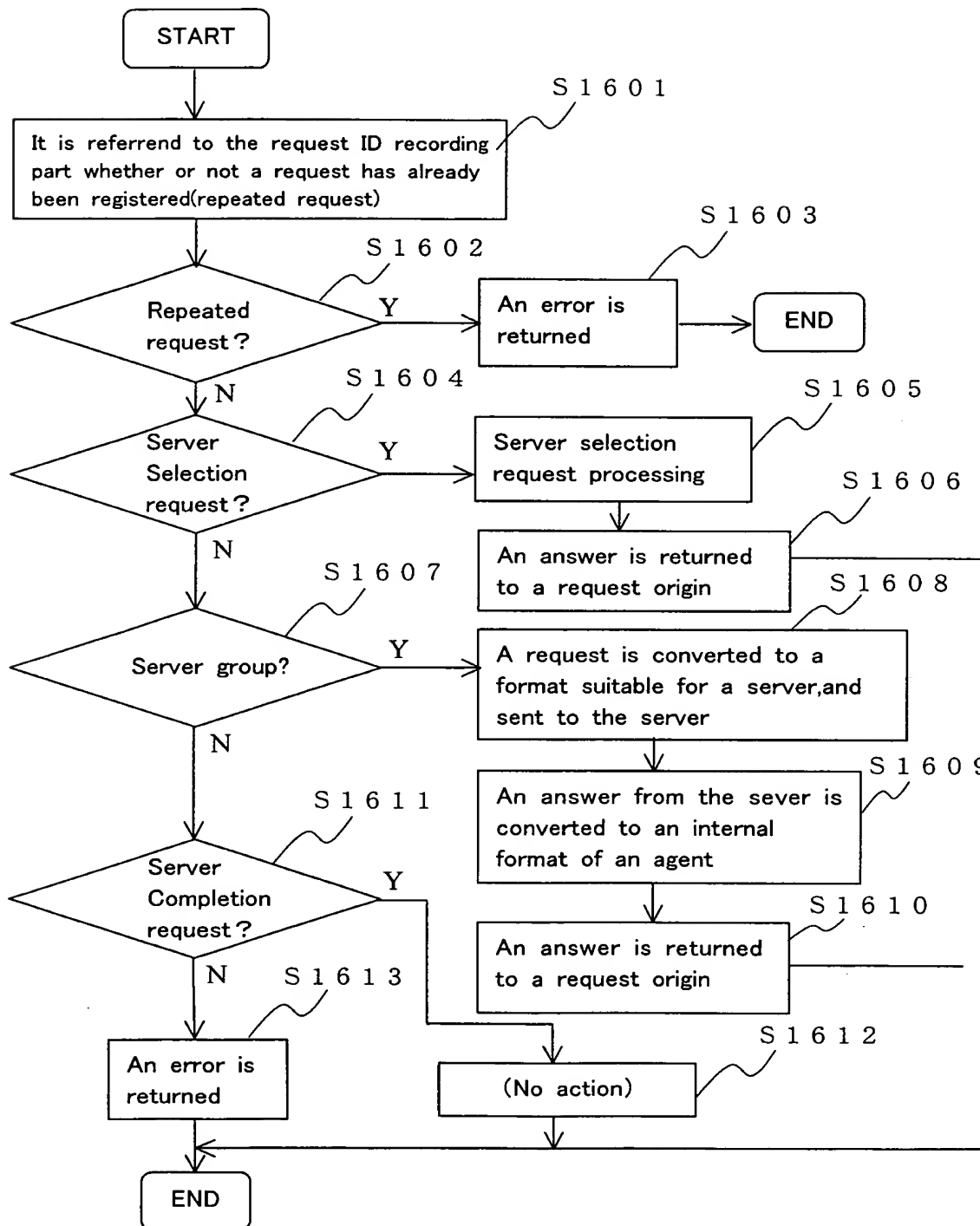


FIG. 16

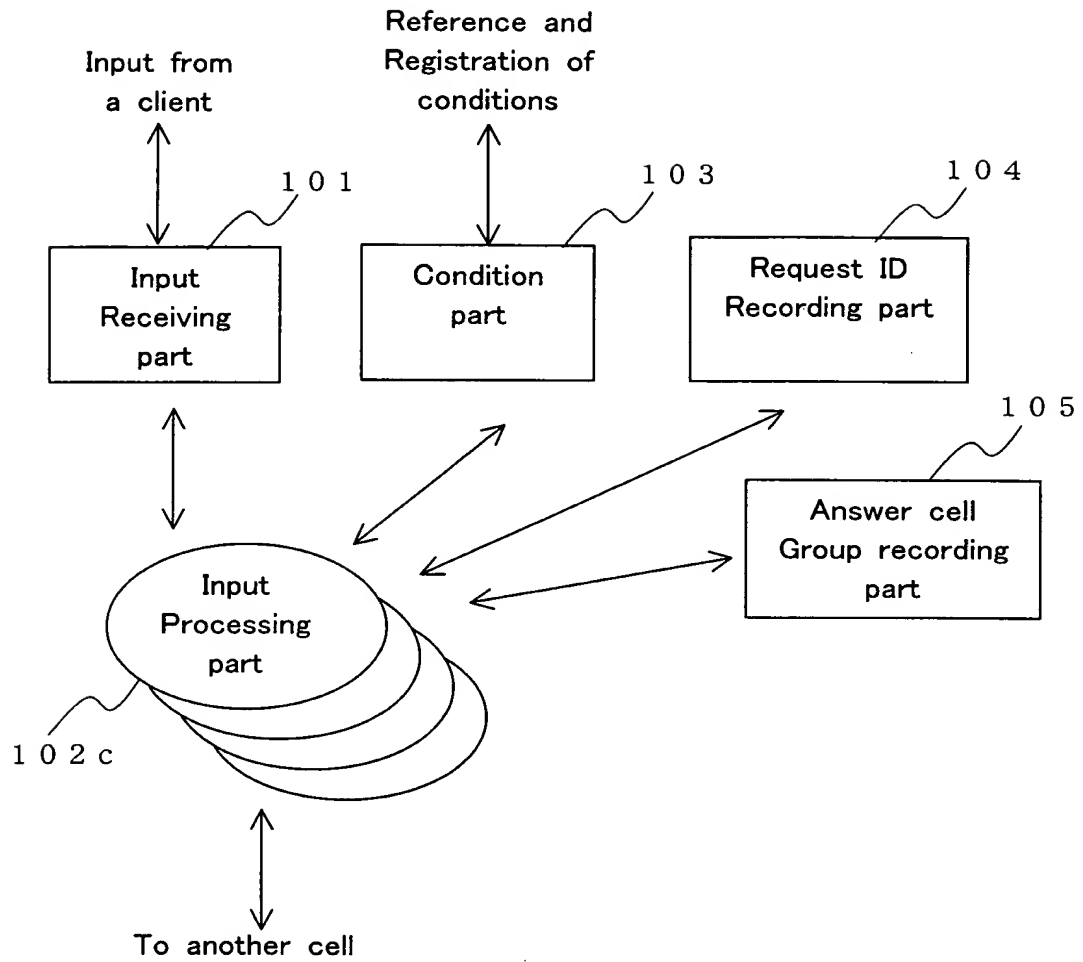


FIG. 17

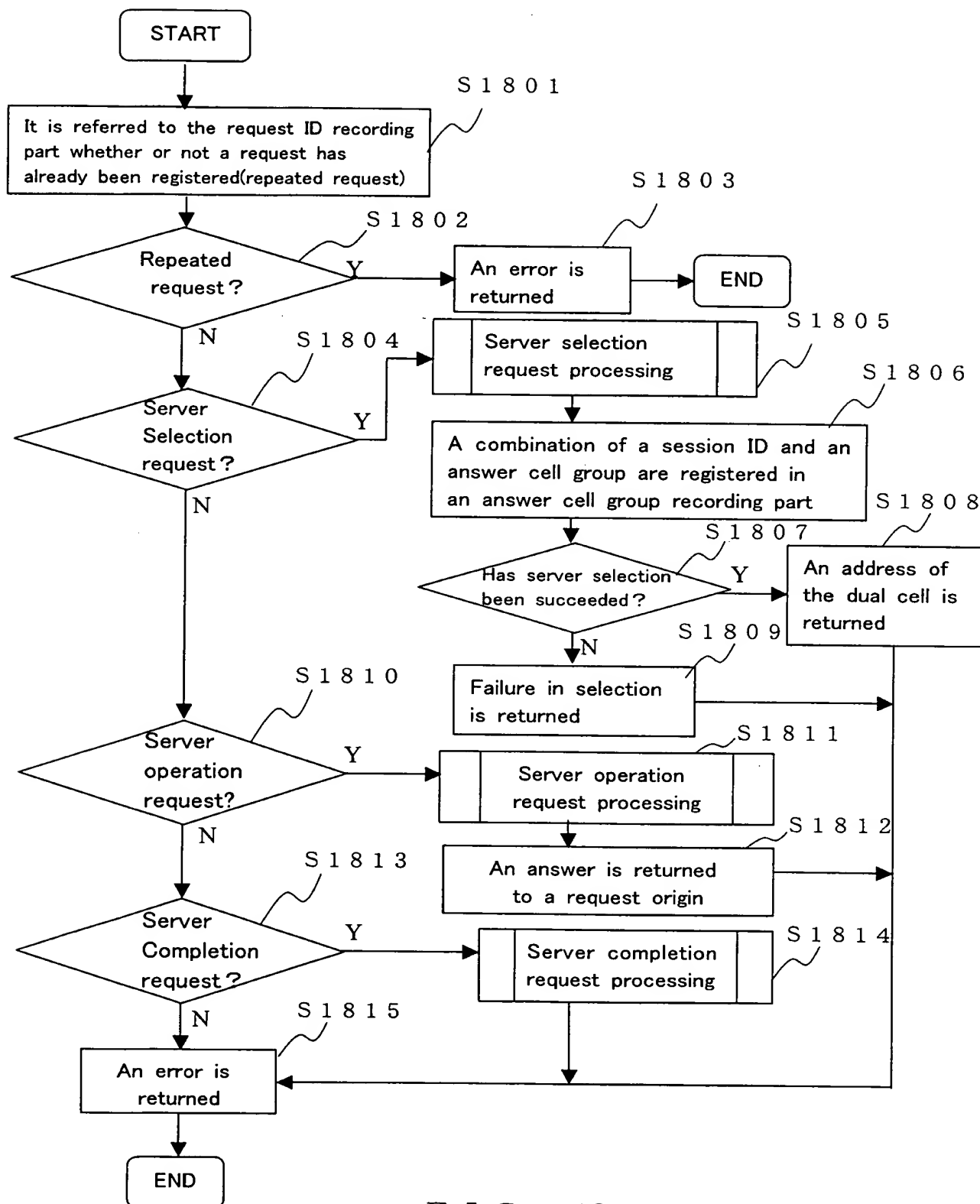


FIG. 18

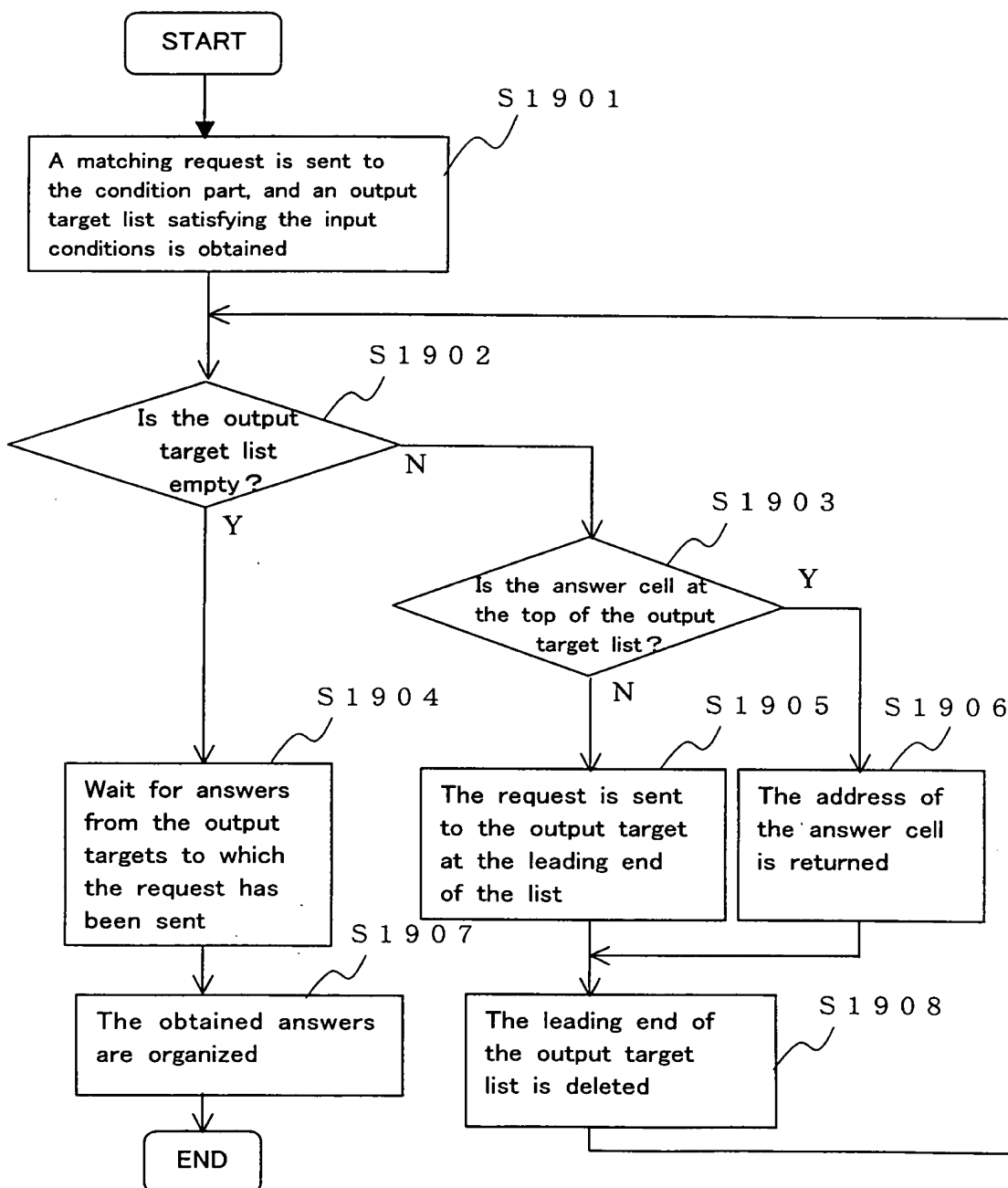


FIG. 19

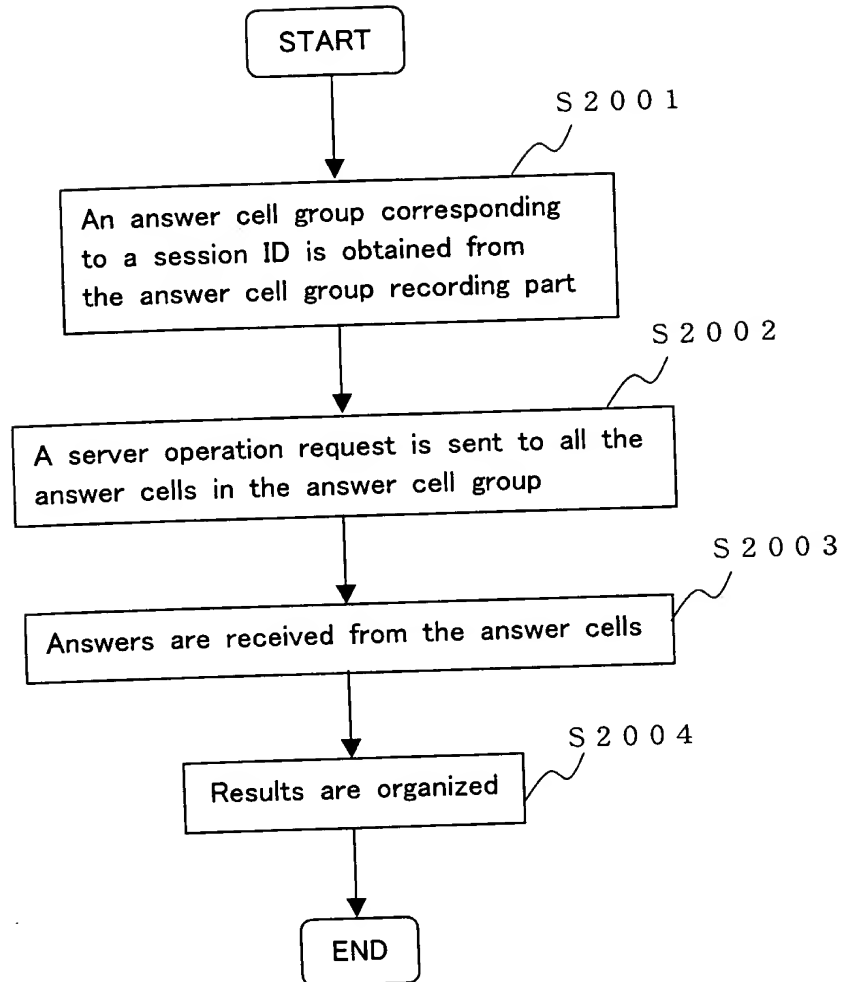
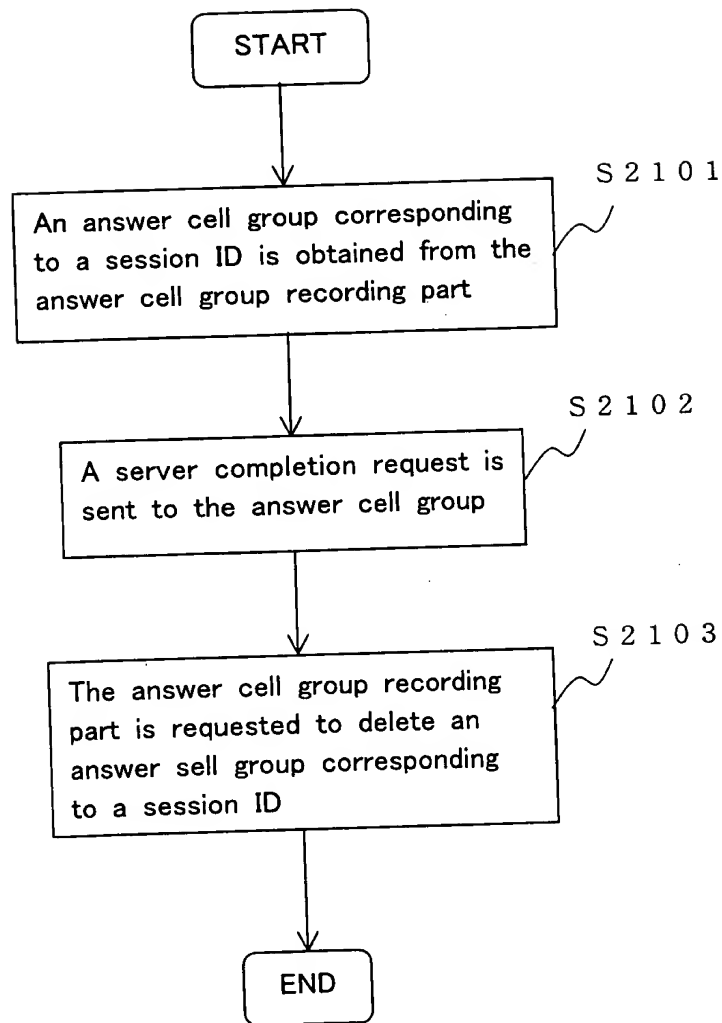


FIG. 20



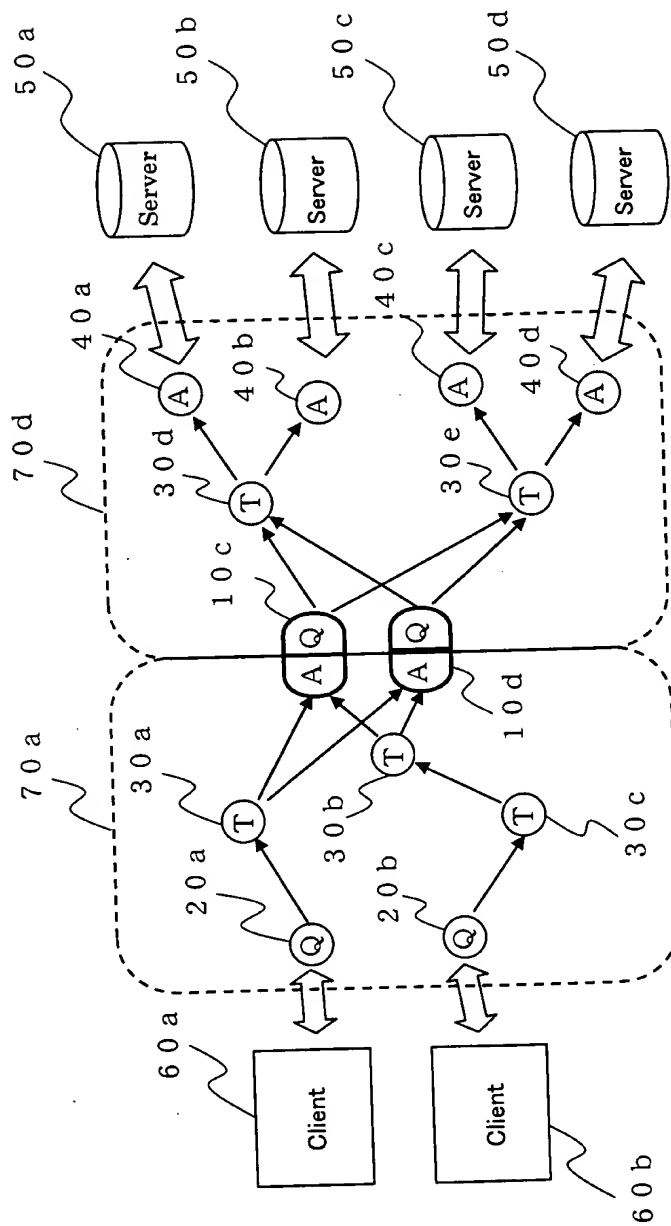


FIG. 22

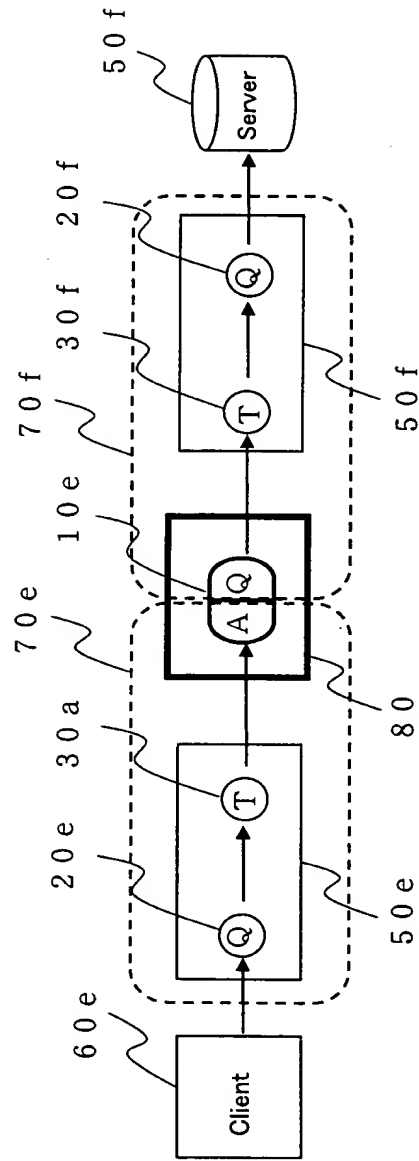


FIG. 23

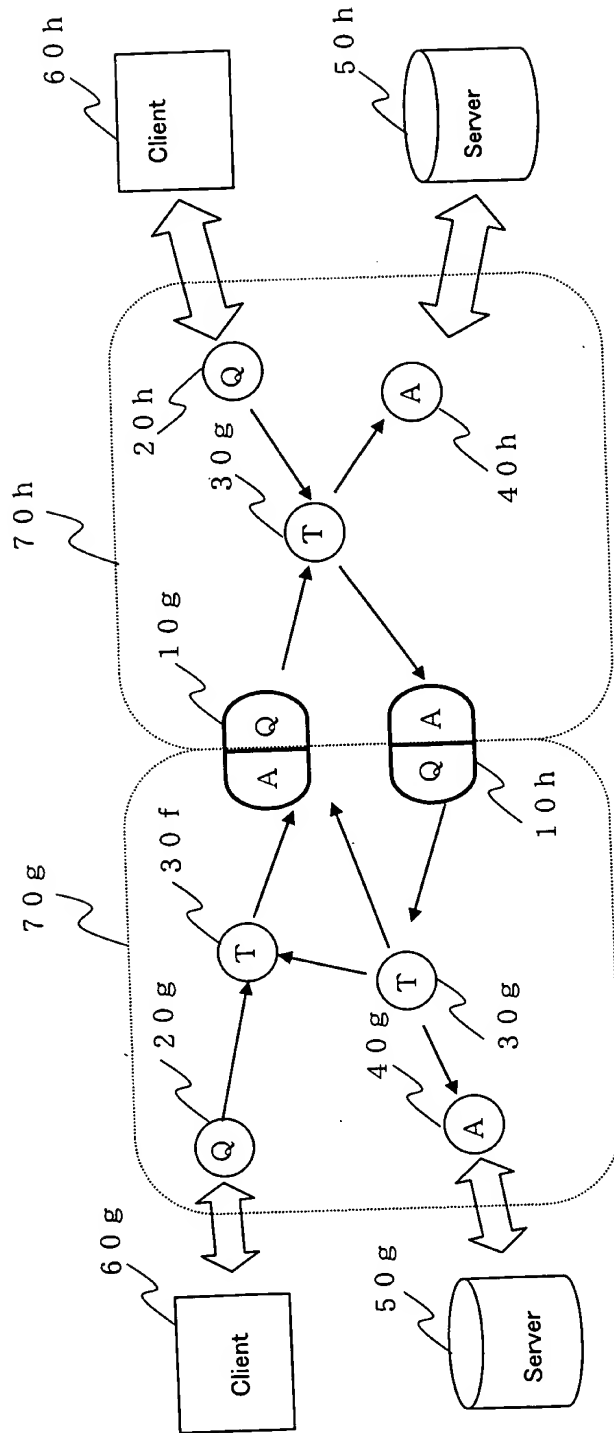


FIG. 24

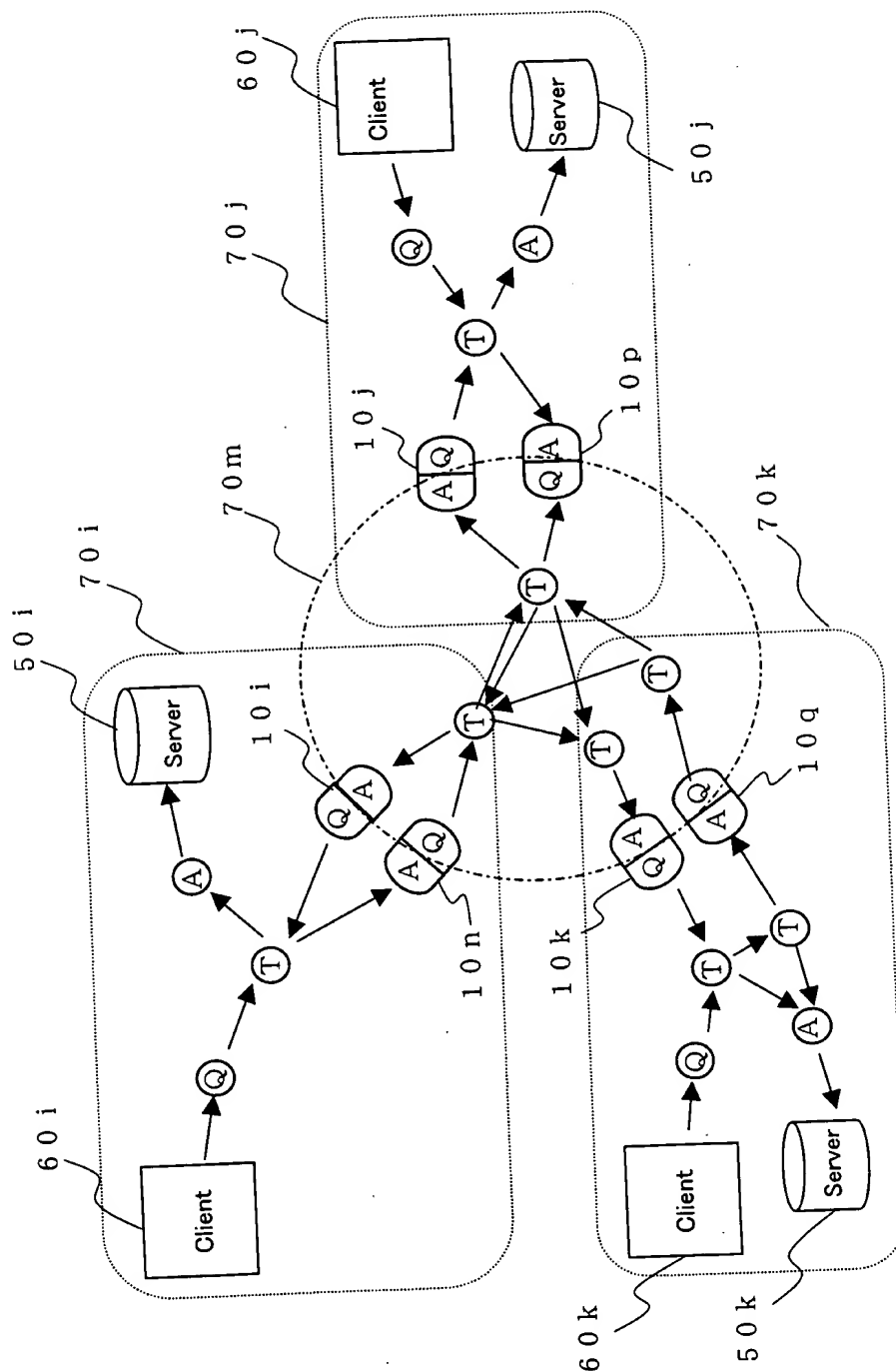


FIG. 25

Server side User side	Server	Cell
User	Centralized facilitator	Query Cell
Cell	Answer cell	Transfer Cell Dual Cell

FIG. 26

The diagram illustrates the system architecture with the following components and connections:

- Input from a client or another cell**: Connected to the **Input Receiving part** (101) via a bidirectional arrow.
- Reference and registration of conditions**: Connected to the **Condition part** (103) via a bidirectional arrow.
- Input Receiving part** (101): A rectangular block that receives input and sends it to the **Input Processing part** (102d) via a bidirectional arrow.
- Condition part** (103): A rectangular block that sends data to the **Input Processing part** (102d) and the **Request ID recording part** (104).
- Request ID recording part** (104): A rectangular block that receives data from the **Condition part** (103) and sends it to the **Answer cell group recording part** (105).
- Input Processing part** (102d): Represented by a stack of three overlapping ellipses, it processes input and sends data to the **Answer cell group recording part** (105) and the **To another cell or sever** (106) via a bidirectional arrow.
- Answer cell group recording part** (105): A rectangular block that receives data from the **Condition part** (103) and the **Input Processing part** (102d), and sends it back to the **Input Processing part** (102d).
- To another cell or sever** (106): The output destination for the **Input Processing part** (102d).

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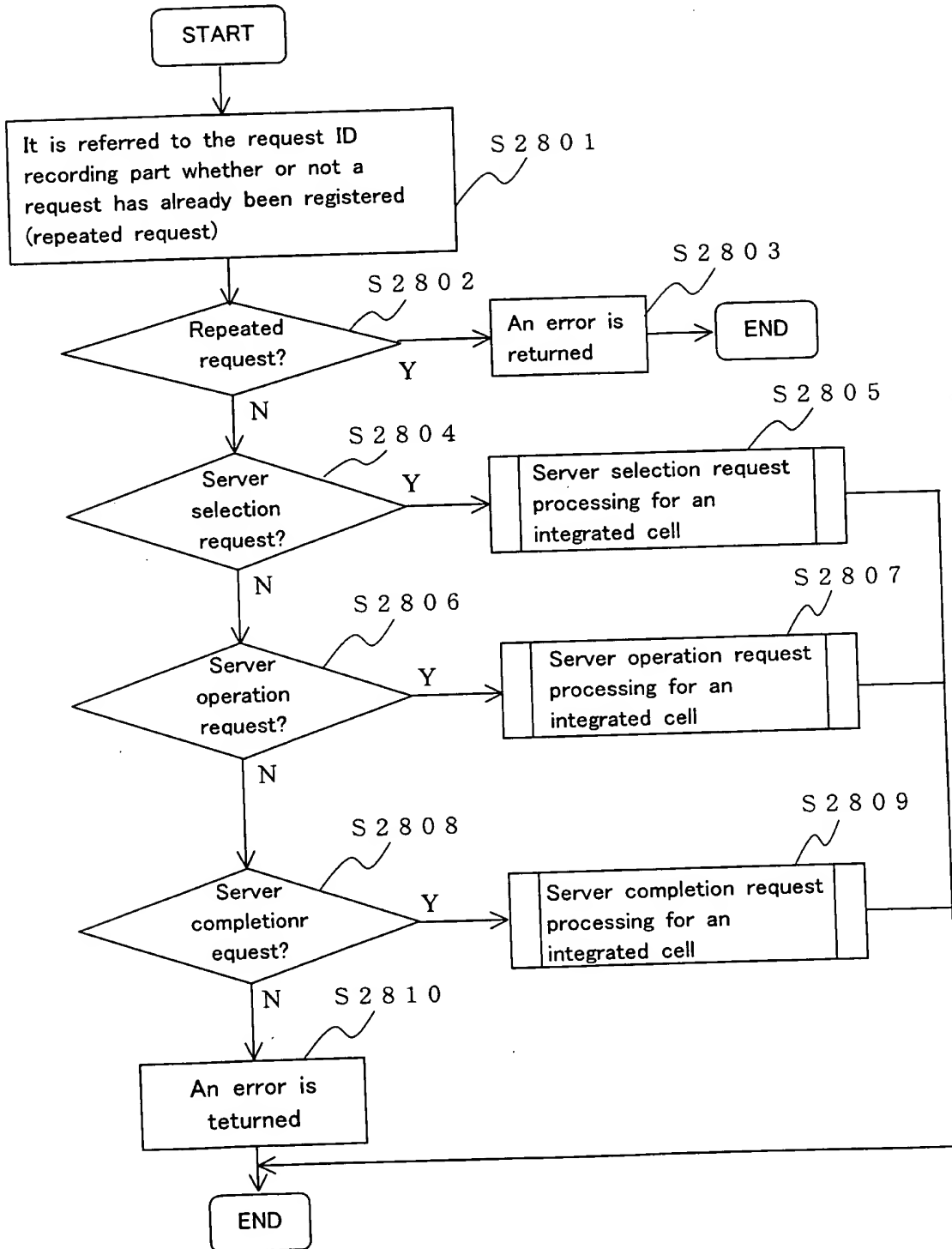


FIG. 28

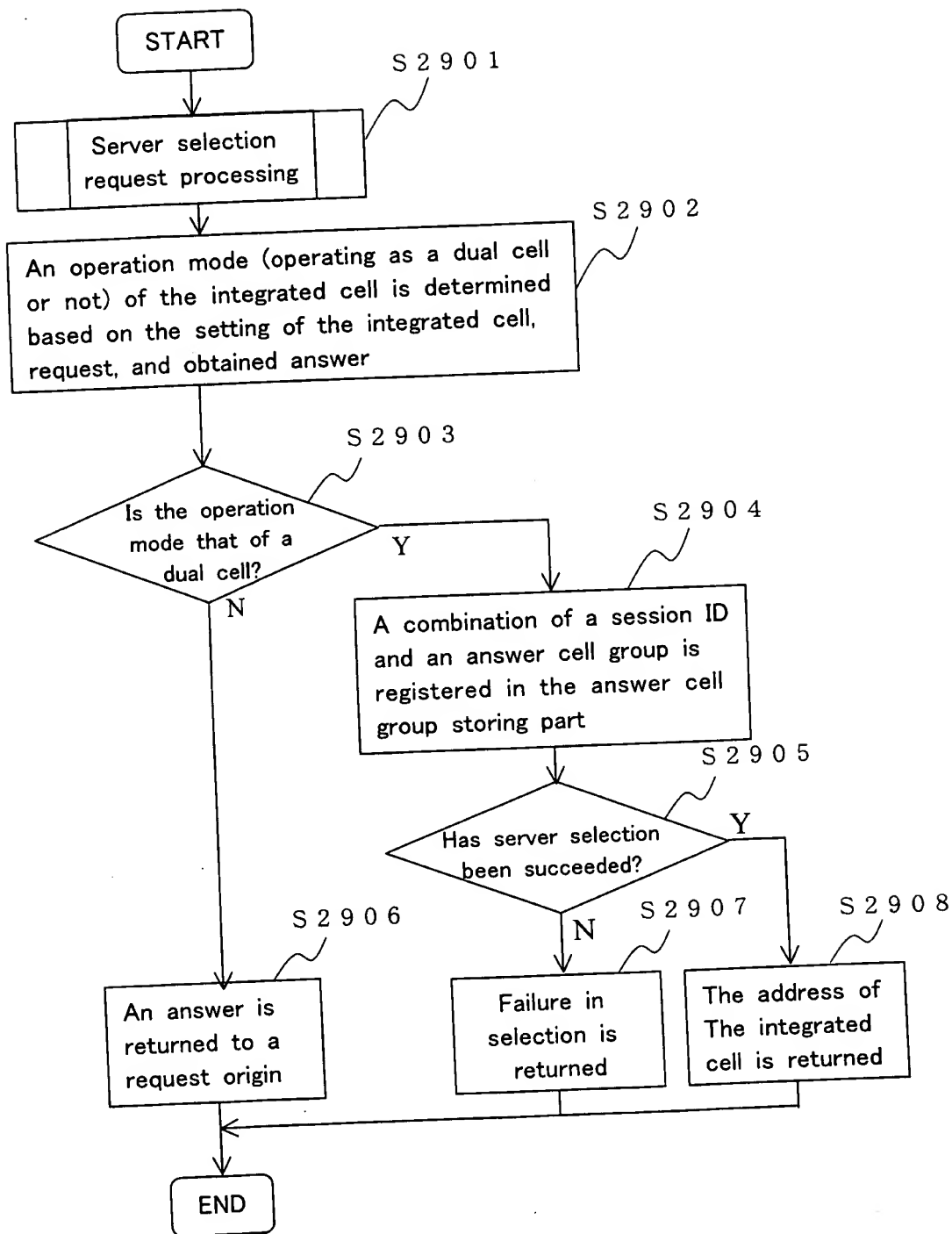


FIG. 29

FIG. 30

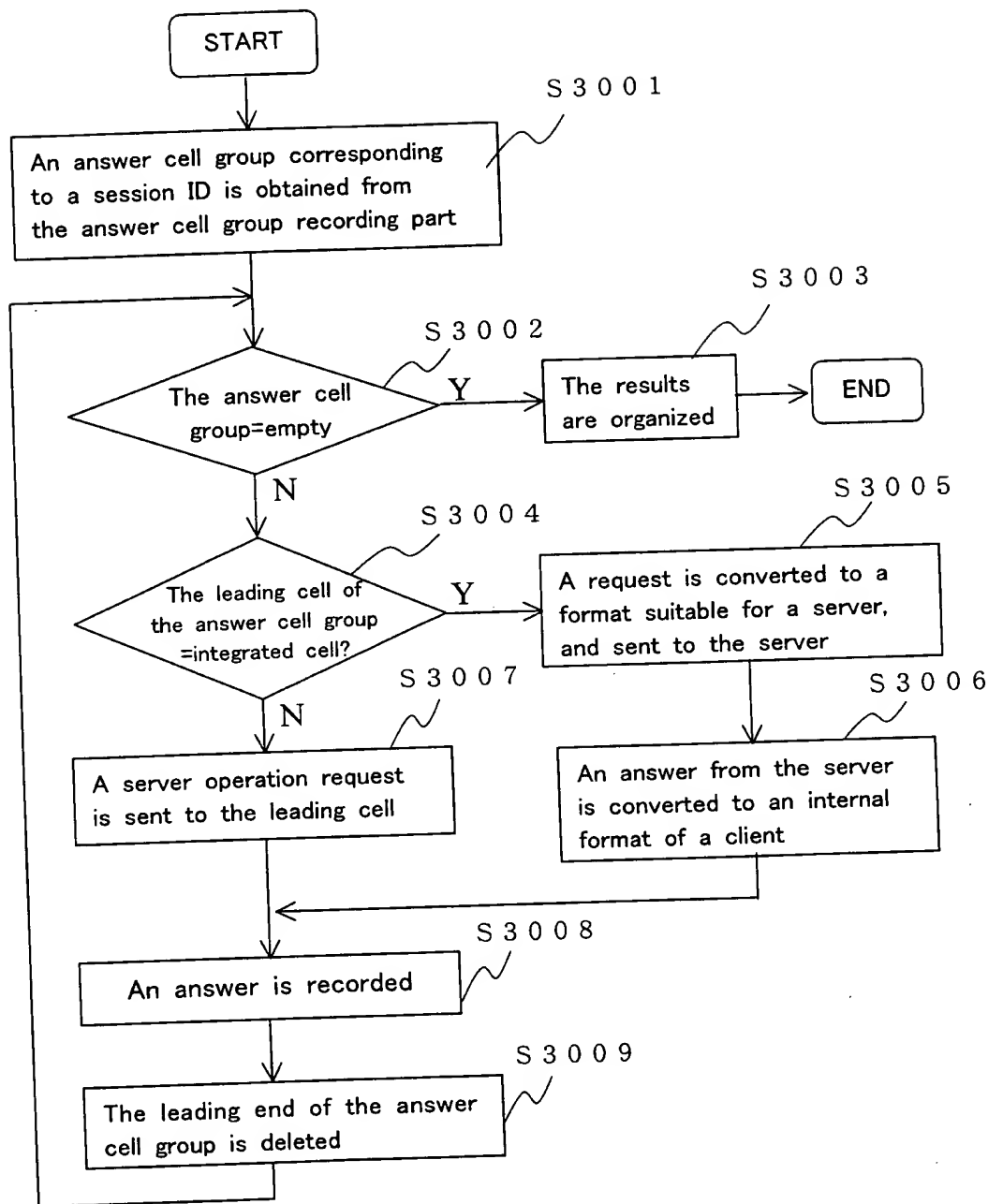


FIG. 30

202504060000

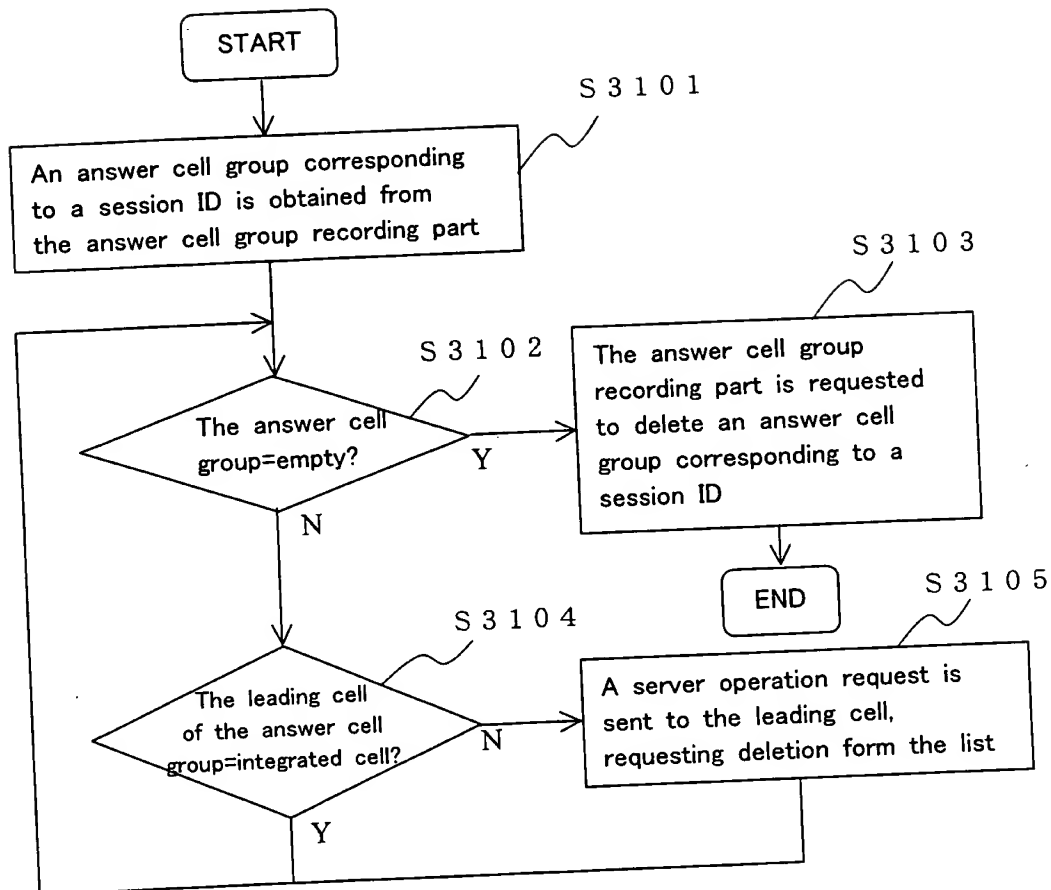


FIG. 31

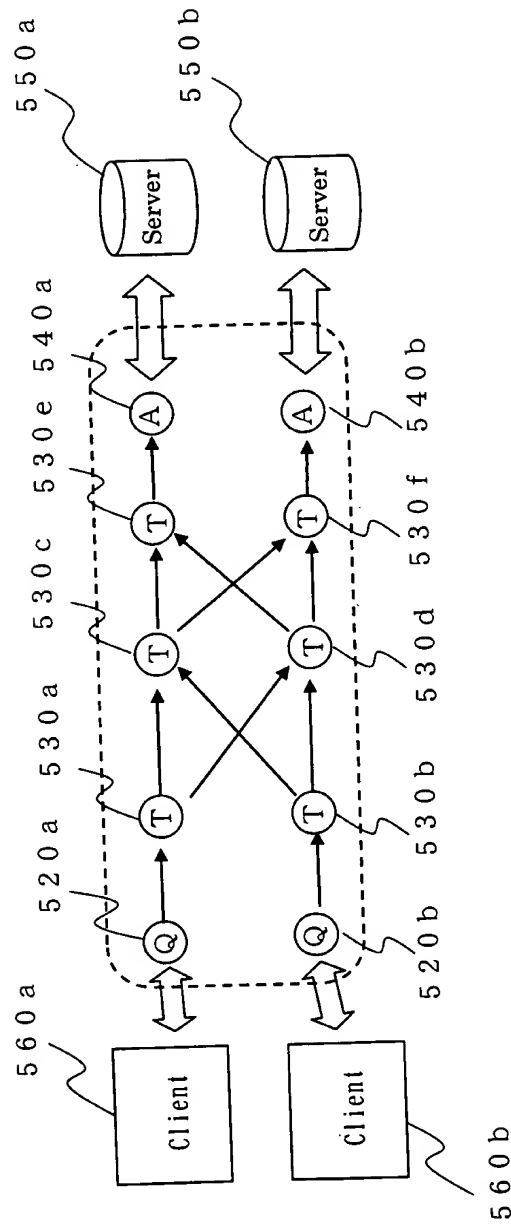


FIG. 32